**PAPER SCIENCE**

**Time: 40min Total Marks: 50**

**PART - 1**

* 1. Formula of washing soda is **(a)** HCl **(b)** Na2CO3 **(c)** HNO3 **(d)** NaCl
  2. The king of chemicals is **(a)** KOH **(b)** NaCl **(c)** H2SO4 **(d)** HNO3
  3. Source of formic acid is **(a)** Tomato **(b)** Vinegar **(c)** Curd **(d)** Ants
  4. Symbol of Iron is **(a)** FE **(b)** Fe **(c)** Mg **(d)** Ef
  5. The number of elements found naturally is **(a)** 09 **(b)** 90 **(c)** 98 **(d)** 88
  6. How many types of changes are there? **(a)** 1 **(b)** 2 **(c)** 3 **(d)** 4
  7. What is meant by organism? **(a)** Dead Things **(b)** Living Things **(c)** Things
  8. Saroo is **(a)** Conifers **(b)** Fungi **(c)** Mosses **(d)** Ferns
  9. All viruses are **(a)** Consumers **(b)** Autotrophs **(c)** Heterotrophs **(d)** Parasites
  10. Symbol of Magnesium is **(a)** FE **(b)** Mn **(c)** Mg **(d)** Ef
  11. Which one does not exist as molecule **(a)** H2 **(b)** Cl2 **(c)** Ne **(d)** Be
  12. Anthrax is caused by **(a)** Virus **(b)** Bacteria **(c)** Fungi **(d)** Fern
  13. Virus is Latin word which mean **(a)** Sweet **(b)** Poison **(c)** Bitter **(d)** None
  14. Which are found in cool, moist and shady places **(a)** Ferns **(b)** Fungi **(c)** Algae
  15. Warm blooded animals are **(a)** Birds **(b)** Mammals **(c)** Both a & b **(d)** Fishes
  16. Spiny animals only found in **(a)** River **(b)** Seas **(c)** Lakes **(d)** Ponds
  17. Skeleton of corals is made up of **(a)** Ca **(b)** Cu **(c)** Ne **(d)** Mg
  18. Fishes respire with the help of **(a)** Lungs **(b)** Gills **(c)** Skin **(d)** Mouth
  19. Pakistan’s total area is covered by forests **(a)** 4% **(b)** 5% **(c)** 10% **(d)** 20%
  20. Hereditary material is **(a)** DNA **(b)** RNA **(c)** Protein **(d)** Insulin
  21. Bread is prepared through **(a)** Fermentation **(b)** Sublimation **(c)** Association
  22. Chromosomes and genes are composed of **(a)** DNA & Protein **(b)** Ca & DNA
  23. Broiler is the example of **(a)** Tissue Culture **(b)** Selective Breading **(c)** Inheritance
  24. Charge on Chloride ion is **(a)** 0 **(b)** +1 **(c)** -1 **(d)** +2
  25. Rusting of iron (Fe) is a change **(a)** Chemical **(b)** Physical **(c)** No change
  26. Vinegar contain acid **(a)** Formic **(b)** Acetic **(c)** Oxalic **(d)** HCl
  27. Milk of Magnesia is **(a)** MgOH **(b)** NaOH **(c)** MgO **(d)** CaO
  28. The word Acid is derived from **(a)** English **(b)** Urdu **(c)** Latin **(d)** Greek
  29. The compounds used to produce glass **(a)** Naphtha **(b)** Washing Soda **(c)** Caustic Soda
  30. Nitrogen is needed for making **(a)** Lipids **(b)** Proteins **(c)** Carbohydrates
  31. In free state Carbon occurs as **(a)** CO2 **(b)** Diamond **(c)** Coal gas **(d)** CO
  32. Density of Graphite is **(a)** 1.10g/cm3 **(b)** 2.2 g/cm3 **(c)** 2.3 g/cm3 **(d)** 3.2 g/cm3
  33. Acid reacts with Base to form water and **(a)** Salt **(b)** Alkali **(c)** Atom **(d)** Electron
  34. Dry Ice is \_\_\_\_\_CO2 **(a)** Liquid **(b)** Gas **(c)** Solid **(d)** Plasma
  35. Bacteria which increase the fertility of soil is called

**(a)** Autotrophic **(b)** Heterotrophic **(c)** Parasitic **(d)** Decomposer

* 1. Fungi are composed of numerous thread like structures are called

**(a)** Mycelium **(b)** Hyphae **(c)** Dicot **(d)** Monocot

* 1. Ozone layer stops \_\_\_\_\_\_\_\_ radiation from coming to earth.

**(a)** Light **(b)** Infra red **(c)** Ultra-violet **(d)** Heat

* 1. Organisms which live together are called

**(a)** Population **(b)** Community **(c)** City **(d)** Species

* 1. Destruction of forests as result of human activities is called

**(a)** Deforestation **(b)** Forestation **(c)** Both a & b **(d)** None

* 1. Elements / Compounds combining in a chemical reaction are called

**(a)** Products **(b)** Reactants **(c)** Both a & b **(d)** None of these

**PART – 2**

**Give short answers to the following questions. 2X5=10**

**(1)**Write two characteristics of ferns.

**(2)**What is difference between Autotrophs and Heterotrophs.

**(3)**Write the names of the groups of Non-Flowering Plant. **(4)**Define Decomposers.

**(5)** What is difference between Monocot and Dicot.